

**CITY OF EAST TAWAS
COUNCIL MEETING AGENDA
Monday, October 17, 2016**

7:00 p.m.

- I. Meeting called to order, roll call, Pledge of Allegiance
- II. Approval of agenda
- III. Public comments on agenda items (Limited to five minutes per speaker)
- IV. Public comments on non-agenda items (Limited to five minutes per speaker)
- V. Approval of minutes of the October 3, 2016 regular meeting
- VI. Correspondence
- VII. Reports from Council Committees
- VIII. Reports from Staff
- IX. Reports from City Departments, Boards, Commissions, and Authorities
- X. Unfinished Business
- XI. New Business
 - a. Claims and Accounts
 - b. DPW Staffing
 - c.
 - d.
 - e.
- XII. Announcements
- XIII. Adjournment

* denotes information included in packet

****** Next regular meeting is Monday, November 7, 2016******

Status Report

October 14, 2016

1. ***New Library:*** Bryan's Landscaping has started installing the commemorative bricks and the donor wall will be completed soon. Interior and exterior signage is still being reviewed.
2. ***Double Utility Poles:*** I'm still working on this.
3. ***Charter Amendments:*** We have until May 2018 to get ballot proposals ready. Each proposed amendment would be a separate ballot proposal so I don't believe it is in the City's best interest to have too many ballot proposals at one time. We could look at some amendments for the August 2018 Primary Election and then more for the November 2018 General Election if we end up with several proposed amendments. We all know how quickly time goes by so maybe we can start work sessions after the 1st of January.
4. ***Triathlon:*** We discussed the Triathlon at the October Business Association meeting and there were mixed comments about making a change to the course. There wasn't anyone in attendance who indicated they didn't want the Triathlon to be held in East Tawas. Once Dave gets a map detailing the proposed change or changes, I will do my best to get a meeting scheduled with Kenny Krell. I'd like to have representatives from the Business Association and the Council at that meeting.

Administrative Report

October 17, 2016

Agenda Items:

1. ***DPW Staffing:*** I had an ad ready to go to the Iosco County News-Herald to advertise for a position in the Department of Public Works. Mayor Bolen asked me not to advertise until after the Council meeting Monday night because some Council members questioned if we should fill that position. I think there must be some misunderstanding about staffing levels in the past. Since I have been with the City, which is almost 31 years, the only times when we have been down to four full-time employees was when someone quit or retired and we needed to advertise to fill the position. Since I started with the City in 1985, we have always had five or six employees in the DPW. We did some research in the office today and in 1994 when Bill Leslie retired we were down to four employees from May 1994 to January 1995. We filled in with part-time help as needed. Guy McMurray was hired in January 1995 to bring the crew back to five. From 1995 to 2006 we had five DPW employees. Again there were times when employees quit or when Terry Bronson died that we had four full-time employees until a replacement was hired. Brad Saunders quit in December of 2005 and that is when Mike and Ken were hired which brought the number back to six. We have had six DPW employees since then until Tom retired last May. I agreed not to hire at that time even though I felt we should hire a full-time employee and then consider not filling the next position when Bob retired. In light of all the DPW does and what they still need to do, I feel we need six full-time employees but I'm willing to try subbing out what we can, such as mowing, and continue with five full-time employees. We will not be able to accomplish what we need to accomplish over the next few months such as meter replacement, valve turning and SAW grant in-kind services, with four full-time employees. We will also not be able to provide the level of service that our residents have come to expect from the City. The DPW and I take pride in the work we do for our City and I certainly don't want that level of service diminished.

Information

2. ***MERS issue:*** Tony from MERS met with the Police Authority and the officers on Tuesday. He explained the actuarial. The Authority is in a unique situation because our two current officers have contributed more to the Defined Benefit plan than the current value of their retirement benefit. This means that allowing the conversion of their contributions reduces the unfunded liability of the Authority but, because those funds would no longer be invested in the plan, the dollar amount of the annual liability of the Authority actually increases. At this time we still don't know if MERS is going to allow the conversion. They are currently reviewing the request administratively to see what possible ramifications allowing this conversion could have on future requests from other entities. They still haven't confirmed whether this conversion will be acted on administratively or by the MERS Board. The Board has a conference call meeting later this month so hopefully we will know by the end of October. Based on this lack of a decision, the Authority hasn't been billed for the first installment of the unfunded liability yet.
3. ***TPA Staffing:*** Chief Ferguson notified me yesterday that he has entered into a conditional offer of employment with Chris Hayes who is a resident of Oscoda and is currently employed by the Iosco County Sheriff's Department as a correction officer. The conditional offer of employment allows the Chief to proceed with the required testing and assessments.

4. ***Assistant City Manager position:*** So far I've received seven applications including one applicant who has requested confidentiality at this time. Our posting indicated that we are accepting applications until October 21st.
5. ***Tawas Lake Aquatic Weed Control:*** Paul Hausler from Progressive AE informed me that bids for the project are due by November 3rd. He will be attending the November 21st Council meeting to report to the Council on the results of the bidding. That will give him time to review the bids and be ready to make a recommendation to the Council. I'm hoping to keep the agenda light for the November 7th meeting since Julie will need to be back by 6:00 a.m. due to the election.
6. ***Miscellaneous:*** Included in the packet is a letter and report from APM concerning the mosquito control efforts for 2016. I previously received an email concerning a contract proposal for 2017-2021. I explained to Mr. Mullins that we have a ballot proposal on the November ballot to extend out mosquito control millage from 2018-2022 and that we would not consider a proposal until after the millage vote. Also included in the packet is a letter from the Iosco County Community Foundation.

MINUTES OF REGULAR MEETING OF EAST TAWAS CITY COUNCIL
OCTOBER 3, 2016

Meeting called to order by Mayor Bruce Bolen at 7:00 p.m. in the Council Chambers of the East Tawas City Hall.

Present: B. Bolen, L. Bolen, Cano, Klenow, Leslie, Look and McMurray.

The Pledge of Allegiance was offered.

Rogers' right-of-way request was added to the agenda as item b. under Committee Reports. Cano moved, L. Bolen seconded, CARRIED, to approve the agenda as amended.

There were no public comments on agenda items.

Jane Wainwright, candidate for Iosco County Prosecutor, was at the meeting to introduce herself and summarize her qualifications and plans for improvements to the office of Prosecutor if she is elected.

Klenow moved, Leslie seconded, CARRIED, to approve the minutes of the September 26, 2016 regular meeting as presented.

The following correspondence was noted: information from Fleis and VandenBrink Engineering concerning the status of the SAW Grant.

City Manager Baker reported that the Truck Committee met and is recommending the purchase of either a 2017 GMC Sierra 3500HD double cab 4 x4 pickup or a 2017 Ford F-350 crew cab 4 x 4 pickup. Following discussion, Look moved, Cano seconded, CARRIED, to purchase a 2017 GMC Sierra 3500HD double cab 4 x4 pickup at a proposed cost of \$39,925.50 which includes a boss plow. Yes: B. Bolen, L. Bolen, Cano, Klenow, Leslie, Look, and McMurray.

Mayor Bolen reported that the Committee appointed to consider the request from Amy and Marty Rogers to install landscaping in the Court Drive right-of-way in front of their home met at the site. He noted that the purpose of a right-of-way is for road drainage, snow storage and public utilities. Permission to install landscaping could be granted through a permit process but this would set a precedent that could cause problems in the future. Mayor Bolen further noted that Mr. and Mrs. Rogers have enough room that they could install the landscaping on their own property. A discussion was held and it was the consensus of the Council that eventually they would like to move Court Drive to center it in the right-of-way so it is not in the best interest of the City to allow the installation of landscaping in the right-of-way. Council members also agreed that the landscaping in the right-of-way that was installed without a permit by a previous owner is unsightly and creates a hazard so it will be removed by the Department of Public Works and top soil will be brought in and the area hydro-seeded.

Reports from Staff: City Manager Baker reported that a potential bidder for the Huron Street water line project has asked if the City would consider boring under the street and completing the project this Fall. The consensus of the Council was that it was in the best interest of the City to open-cut the street and do the project in the Spring. City Manager Baker reported that the Tawas Police Authority voted to follow the recommendation of Chief Ferguson and purchase a 2017 Ford Police Interceptor Utility Vehicle. She also noted that Iosco County has been seeking bids for the parcel

data layer of a GIS program and she will be attending a presentation at the County on October 13th. City Manager Baker asked how the Council would like to proceed with looking at potential amendments to the City Charter. It was the consensus of the members to handle this through work sessions rather than a topic at regular Council meetings.

Fire Chief Deckett reported that there had been a fire on Maple Drive with the cause not yet determined. An electrical fire investigator will be here to look at the site on October 6th. He also noted that Fire I and Fire II classes will be held in Arenac County and that the department is getting ready for an ISO inspection at the end of October. He also commented on the benefits of having a First Responders unit based on actions that helped a man who was thought to be having a heart attack. An ambulance was not available but the First Responders were able to provide oxygen and get the man to the hospital where he began to feel better. Mayor Bolen noted that he had been notified that the woman from Consumers Energy who was supposed to meet with him and Chief Deckett concerning the time in takes for Consumers Energy to respond to downed wire reports is retiring. He indicated that a meeting needs to be scheduled with her replacement to get this issue resolved.

DPW Superintendent Collier reported that he had heard from the Consumers Energy representative concerning the relocation of a guy wire that is creating a hazard on the new East Lincoln Street sidewalk. The crew is supposed to be here by October 20th to relocate the wire. In the meantime orange cones will be placed on the sidewalk to alert walkers and bike riders to the hazard.

Klenow moved, Cano seconded, CARRIED, to receive the minutes of the August 16, 2016 meeting of the Housing Commission and the September 9, 2016 meeting of the Tawas Police Authority.

Bills and transfers having been properly presented, noting an invoice from Dave Leslie and Lisa Bolen, Look moved, McMurray seconded, CARRIED, that these transactions be approved. Yes: B. Bolen, Cano, Klenow, Look and McMurray. Abstain: L. Bolen and Leslie.

City Manager Baker reported that numerous residents living on Bridge Street have requested the construction of a sidewalk on Bridge Street due to the volume and speed of traffic on that street. She noted that there is not enough money in the budget to install a sidewalk at this time and that the location of poles and other infrastructure in the right-of-way would make it difficult to install a sidewalk. Mayor Bolen appointed a committee consisting of himself, Councilman Look, City Manager Baker and DPW Superintendent Collier to recommend priorities for sidewalk construction and cost sharing options.

Councilman McMurray noted that he and Councilwoman Bolen would like the Council to consider plans to extend the bike path from Tawas Beach Road to the east city limits on US-23 to connect with the Baldwin Township bike path. It was also suggested that the Council begin to reserve funds to help with the cost of amenities when MDOT reconstructs US-23 through the city. Mayor Bolen noted concerns with potential action of the lame duck legislature in regard to MERS Defined Benefit and Defined Contribution pension plans.

Meeting adjourned at 8:05 p.m.

Blinda A. Baker
Acting Clerk

MINUTES OF TAWAS UTILITIES AUTHORITY MEETING ON OCTOBER 11, 2016

Meeting called to order by Chairwoman Horning at 2:01 p.m. in the Council Chambers of the East Tawas City Hall, 760 Newman Street, East Tawas.

Members Present: Baker, Horning, Look and Willis

Others Present: Secretary/Treasurer Potts and Catherine Garnham, Regional Manager for F & V Operations and Resource Management, Inc.

Baker moved, Willis seconded, CARRIED, to approve the agenda as presented.

Look moved, Baker seconded, CARRIED, to approve the minutes of the September 12, 2016 regular meeting as presented.

Willis moved, Baker seconded, CARRIED, to approve the invoices as submitted for total disbursements of \$25,757.93. Yes: Baker, Horning, Look and Willis.

Willis moved, Look seconded, CARRIED, to receive the financial reports for the month ending September 30, 2016 as presented.

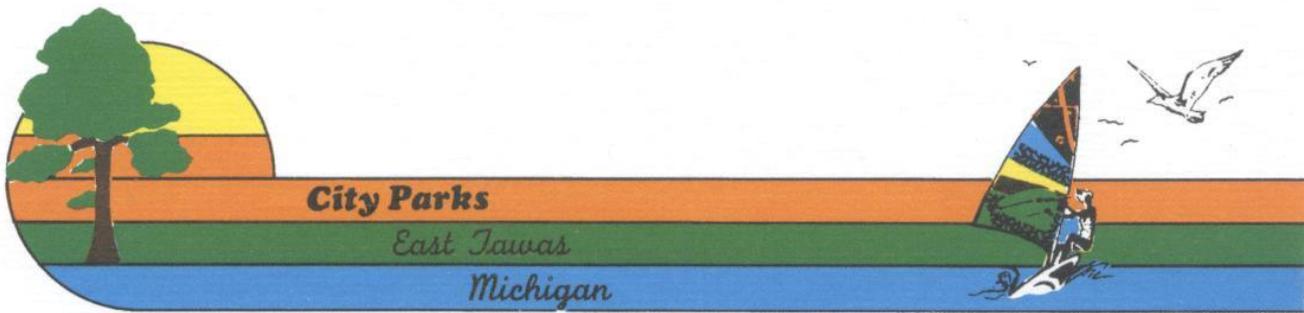
Catherine Garnham, F & V Operations and Resource Management (F & V), reported that the engineers had provided the 5 year TUA WWTP Capital Improvement Plan (CIP) for review as well as 6-10 and 10-20 year plans. She stated that the engineers would be attending the November meeting to answer any questions or concerns from the Authority. Ms. Garnham provided explanations for the items in the plan and stated that replacement or repair costs were estimated on the high end as worst case scenarios. She reported that most of the equipment in the plant is either aged or obsolete. There are also some structural repairs needed due to the age of the facility. Members inquired as to whether the DEQ would require the Authority to follow the CIP. Ms. Garnham felt it was possible that a copy of the CIP would not have to be provided but the Authority would attest to having a 5 and 20 year CIP plan. She would also check on the schedule for submitting the plan to the DEQ to allow both City Councils to review the information before submission.

Ms. Garnham reported that September was a quiet month and the only item to report was the land application of 501,500 gallons of biosolids. She also stated there were no maintenance allowance expenditures for September.

There were no public comments.

Meeting adjourned at 2:32 p.m.

Julie J. Potts, Secretary/Treasurer



407 West Bay Street, East Tawas, Michigan 48730 • 989-362-5562 • parks@easttawas.com • easttawascitypark.com

October 13, 2016

The regular meeting of the East Tawas Park Board was called to order by Chairman Elliott at noon on Thursday, October 13, 2016 in the East Tawas City Park Office.

PRESENT: Thunberg, O'Connor, Klenow, Elliott, Fountain, Council Representative McMurray and Park Manager Frank. **ABSENT:** None. **GUESTS:** Lois Gartland and Kristen Kobs.

Moved by Fountain, seconded by Thunberg to approve today's agenda as presented. All ayes. Motion carried.

Moved by Klenow, seconded by Thunberg to approve bills in the amount of \$201,124.13 and to transfer \$201,124.13 from the MIA account to the O & M account. **YES:** Klenow, O'Connor, Fountain, Thunberg and Elliott. **NO:** None. Motion carried.

The cancelled checks for September were reviewed by Klenow and Thunberg and approved.

Moved by O'Connor, seconded by Fountain to approve the minutes of the September meeting. All ayes. Motion carried.

The monthly cash flow report was reviewed.

Moved by Fountain, seconded by Klenow to receive the Community Center monthly reports. All ayes. Motion carried.

Keith asked the Board for clarification on the permission given to the Pickleball Association last month to use the Community Center. He wanted to know if it was the Board's intention to give the group exclusive use of the Community Center every Monday through Friday and not let anyone else use it. Keith explained that in the past, "availability only" meant the hall was rented for the day or, another group wanted to play basketball, etc., in which case they were required to share the floor. Last week, a man came in and bought a pass for him and his son so they could play basketball. About 8:30, pickleball showed up and the man and his son had to leave, although they were allowed to play until about 9:15 or so. The Pickleball Association assumes they have exclusive use of the facility for that time period. Lois Gartland was at the meeting to express the views of the Pickleball Association. Kristen Kobs was present on behalf of a group of mothers who like to bring their young children in once a week to let them run around and play. Following discussion with both guests, Chairman Elliott appointed Sue Fountain and John O'Connor to a committee to work with Keith to come up with a policy regarding the use of the Community Center by the Pickleball Association. Moved by Fountain,

"This Institution has received funding assistance from the National Park Service."

Regulations of the U.S. Department of Interior strictly prohibit unlawful discrimination in departmental federally-assisted programs on the basis of race, color, national origin, age and handicap.

*To file a complaint of discrimination write: Director-Equal Opportunity Programs
National Park Service, US Department of the Interior, PO Box 37127, Washington, DC 20013-7127*

seconded by O'Connor that for the time being, the Pickleball Association will be allowed exclusive use of the Community Center from 9 a.m. to 11 a.m. on Mondays, Wednesdays and Fridays. Tuesdays and Thursdays will be left for open gym. Pickleball may also use the gym on Tuesdays and Thursdays from 9 a.m. to 11 a.m. as well, but will not be allowed to set up more than two nets. They must also share floor space with any others who may want to use it at that time, even if it means cutting back to just one net. **YES:** Klenow, Elliott, Fountain, O'Connor and Thunberg. **NO:** None. Motion Carried.

The Board reviewed the annual campground vacancy and camper day history reports prepared by Keith. With the four new beach sites built last year being occupied on a year around basis, the campground experienced its' best year ever, recording 30,372 camper days.

The Board also reviewed the seasonal employee quarterly hours report. The final report for the year showed there were 289 more seasonal hours this year compared to last year.

Keith reported on the following park projects: 1) The Dillon Pavilion and dugout roofs are all installed and look great; 2) The Harbor Park leveling project is completed. Concerns were expressed that the south side was not elevated as much as hoped; 3) The electric distribution panel at Durant Park has been replaced, and 4) Herrick will be installing the three new toilets in the Durant Pavilion over the course of the next several weeks.

Keith told the Board that the preliminary grant scoring for our Trust Fund application came through while he was on vacation in September. The application earned 325 out of 520 possible total points. However, Keith said our application wasn't necessarily eligible for some of the 520 points included in the total. He said that there were 70 more points that our application was eligible for and support documentation has been submitted in order to try to acquire those points. Now we just have to wait until December.

Keith hopes to hear from Russo Engineering next week regarding plans for the breakwall at Schriber's property.

Keith reported that the Bolen Park Ball Field Project is finally coming to an end. The only items remaining are rolling the outfield and re-installing the outfield fence.

Keith asked the Board to make a decision on whether to hire Tom Seigo full-time or not. He pointed out that the Park needed Tom and that other opportunities may be opening up for him soon. Keith didn't want the Park to take a chance on losing him. Moved by Klenow, seconded by O'Connor to hire Tom Seigo full-time at the rate of \$14.00 per hour effective November 1, 2016. **YES:** Thunberg, Fountain, Klenow, Elliott and O'Connor. **NO:** None. Motion carried.

Keith reported that while he and Pam were on vacation, they took a couple of day trips into Mio to check out the mini cabins at Northstar Storage Barns and Woodhaven Log and Lumber. He also shared several pictures of the units. A 12' x 22' unfinished gambrel cabin with porch and loft from Northstar would cost \$5,830.00 delivered. A 12' x 20' cabin with 4' porch, completely finished on the inside from Woodhaven would run about \$16,500.00 delivered. Woodhaven just delivered two units to the Augres Park. The Board asked Keith, if possible, to go down and look at them before the Board makes any final decision.

Keith said he received a call from City Manager Baker this week regarding some trees in Durant Park behind the residence at 498 West Franklin. The home owner was concerned that the dead trees could blow over on his house. Keith said he checked them out before the meeting. He said there were nine trees that could indeed hit the house if they fell over. Keith contacted Rodney Collier to see if the DPW may be able to help with the removal. If not, Keith will get in touch with a local tree trimming contractor.

Park Board member's reports on their respective parks today: O'Connor reported that the new roofs on the dugouts at Dillon looked nice but he noticed screws sticking through the underside of the roofs, inside the dugout area. Keith will look into it.

	<u>2014-2015</u>	<u>2015-2016</u>
Camper Days for September:	2027	1992
Camper Days to Date:	29,061	30,372

Meeting adjourned at 1:40 p.m.

Keith Frank
Park Manager



STRENGTHENING COMMUNITIES

- Grants
- Endowments
- Planned Giving
- Scholarships

October 1, 2016

City of East Tawas
760 Newman Street
PO Box 672
East Tawas, MI 48730

Dear Friends,

As we come close to the end of 2016 we are proud to share with you the many things the Iosco County Community Foundation (ICCF) has done this year, and to humbly ask for your continued support as we strive to reach our goals in making an impact in Iosco County.

Making a Difference in Iosco County

In 2016, ICCF awarded \$7,650 in Community Improvement grants through seven different grants. Those grants included environmental projects, a family resource program, and engaging programs for our local youth. Our Community Improvement grants are vital to the Community Foundation's work because they allow us to focus our grant dollars where they are needed the most, even as those needs change from year to year.



Business, Entrepreneur and Education (BEE) Camp

Last year we told you of our goal to grow the Iosco County Community Improvement Fund to a point where we can award \$15,000 by 2020. That means we need to build this fund up to \$200,000. As of August 31, 2016, the Iosco County Community Improvement Fund has total assets of \$100,232. We know we have a long way to go, but we also know the residents of Iosco County are a giving and forward-thinking group of people. We sincerely hope you will consider a gift to the Iosco County Community Improvement Fund to help us achieve our goal of greater impact.

Philanthropist of the Year

This year we recognized our fifth Philanthropist of the Year. In May 2016 we honored Tawas City resident Brad Saegesser. Our goal with this award is not to single out those who give large sums of money. Rather, we feel a true philanthropist gives of their time, talent and treasures to help the communities they love. Brad is a perfect example of this through his work, time and financial commitments he makes for Michigan Special Olympics Area 31, the Tawas Elks and 4-H Exceptional Equestrians program. The Community Foundation gets nominations for the Philanthropist of the Year directly from the public. If you know of someone worthy of this award, please consider submitting a nomination. The deadline to nominate someone from Iosco County for this award is March 1, and nomination forms are available on our website at www.iccf-online.org.



Brad Saegesser



New Fund Supports Sunrise Side Lifelong Learners

ICCF currently has 43 charitable funds to benefit losco County in many ways. One of our newest funds is the Sunrise Side Lifelong Learning Fund, which was created by the Sunrise Side Lifelong Learners to support their agency. Donors may choose to give to any existing fund, including this new endowment, as many of our local residents have benefitted from the programs and activities the Sunrise Side Lifelong Learners provide.

Youth Advisory Council

We are proud to have a very active Youth Advisory Council, or YAC. This group of young people ages 12 to 18 oversees the distribution of grants from the losco County Kellogg Youth Fund, and they take great pride in what they do. This year, our YAC awarded over \$13,000 in grants to youth programs in losco County. Under the leadership of adult advisors, this program is instrumental in teaching our young people the importance of philanthropy through giving, leadership and service to their communities. If you have a soft spot in your heart for the youth of our communities, the losco County Kellogg Youth Fund is a great place to invest your charitable dollars to benefit the young people in our area.



**Sprinkler Lake
Day Camp**

Leaving a Legacy

Establishing a fund at the Community Foundation through a bequest is a wonderful way to leave a legacy. Our Legacy Society currently has 51 members who have made it known that they have included the Community Foundation in their will, most by setting aside a percentage of their estate to benefit a cause near to their heart. Our website has extensive information about planned giving, and we encourage you to visit it at www.iccf-online.org to explore the many ways you can give back during your lifetime and beyond, and to answer any questions you may have about including a charitable bequest in your will.

Will You Help Us Reach Our Goals?

We are very proud of the continued and growing impact the losco County Community Foundation is creating for our hometowns. Part of what allows us to do this is the losco County Administrative Fund, which helps us to increase awareness of ICCF, host our modest, but enjoyable Philanthropist of the Year event, as well as run our meetings. We are grateful for those who have become Friends of the Foundation with a gift of \$250 which is split between our Community Improvement Fund and the losco County Administrative Fund, and we invite you to become a Friend as well as a way to help your Community Foundation grow.

Regardless of the fund you might choose, we sincerely hope you will consider a gift to ICCF this year to help us reach our goals and continue this growth. Our donors are at the very heart of our good work in the communities. We thank you for your past support of ICCF and look forward to a long partnership for the good of losco County.

With best regards,

losco County Community Foundation
Trustee



21240 34 Mile Road, Armada, Michigan 48005

Toll Free 877-276-4714

Email: sales@advancedmosquito.com

www.advancedmosqutio.com

Mrs. Blinda Baker, City Manager
Mayor Bruce Bolin and the
East Tawas City Council
760 Newman
East Tawas, MI 48730

October 6, 2015

Dear Blinda,

The last city route ULV application was completed on 8/31. After the Labor Day weekend, spraying went to a reactive mode. We expected to see a spike in mosquito activity the first week of September because of almost 4 inches of rain received between 8/15-8/22. Calls have been rare all year and mosquito counts low. Trucks have been ready to respond as needed. Temperatures have remained average for this time of the year. APM continues to strive to provide the best possible service to our customers. A synopsis of the year follows on page 2.

The summary spreadsheet has tabs covering all aspects of work performed in the City of East Tawas this year. The NJLT graph illustrates the mosquito hatching activity this summer. I have highlighted in yellow significant daily rainfall recorded in our rain gauges located at the NJLT sites. The graph shows a spike in numbers about 7-10 days following the rain. The graph also reflects the effectiveness of the ULV applications, by the drop in adult female mosquito counts. For the year, East Tawas City had 10.8 inches of rain at 225 Airport and 9.4 inches of rain at 308 E State, significantly lower than 2015. We larvicided 76 acres by ground this year and treated 376 catch basins. We are at 347 ULV miles to date.

I am submitting a new contract proposal along with the annual report.

Sincerely,

Charles D Mullins
General Manager
APM Mosquito Control

Mosquitoes are all we do!



21240 34 Mile Road, Armada, Michigan 48005

Toll Free 877-276-4714

Email: sales@advancedmosquito.com

www.advancedmosquutio.com

Synopsis of 2016 season:

April/May: Larvae detected on 4/14. Pre-season larviciding completed on 5/13. 364 lbs. of Bti by ground to 34 sites. Minimal calls received (11), 4 nuisance mosquito, 2 shut off, 2 I&L and 3 off road request/informational. New Jersey traps operational 5/20. First city-wide UV application was completed on 5/25 for Memorial Day.

June: Total of 13 mosquito line calls. 6 nuisance calls, 3 party, 4 information and off road form/surveys. 2.1" of rain recorded at 308 E State St. trap and 2.7" of rain recorded at 225 Airport during the month of June. Larvicided 7 sites with 33 lbs. of Bti. Female mosquito activity peaked at 17 on 6/27. Treated 404 catch basins with Altosid XR. 118.6 ULV miles sprayed.

July: Mosquito activity was low during July. Peak of 9 females on 7/6. There were no mosquito line calls. Received 1.8" of rain throughout the month. CDC trap collections began on 07/23. Maintenance spraying of ULV routes covering 85 miles were sprayed during July.

August: A moderately wet month, with 3.85" of rain at 308 E State St trap and just over 4.8" of rain at 225 Airport trap. Our highest average female count of 7 was recorded on 8/31. Extremely low mosquito line calls (5) for nuisance mosquito. Maintenance spraying of ULV routes continued as needed, with a total of 89 miles sprayed. CDC trap collections were completed on 8/2. There were no Culex mosquitoes trapped in East Tawas in 2016, no pools were submitted to MSU for the West Nile Virus testing.

September: The last scheduled ULV application was completed 8/31 for the Labor Day holiday, which is typically the end of annoyance mosquito weather. Mosquito population has remained low. Only 1 nuisance call was received by 9/30. Only .2 miles have been sprayed to date. We removed the NJLTs 9/19. Once night temps start dipping consistently into the 40's, the remaining mosquitoes will harbor up until diapause sets in.

Mosquitoes are all we do!

City of East Tawas 2016 Mosquito Management Budget Summary

APM

**APM Mosquito Control
Advanced Outdoor Spraying Company**

21240 34 Mile Rd
Armada, MI 48005
810-766-9423
877-276-4714

www.advancedmosquito.com

Description	Unit	Unit Price	Proposed	Budget	Actual	Cost
I&L Insp	Site	\$ 12.25	200	\$ 2,450.00	140	\$ 1,715.00
I&L Treat Vectobac G	Acre	\$ 43.85	165	\$ 7,235.25	170.01	\$ 7,454.94
I&L Treat Vectolex CG	Acre	\$ 85.00	0	\$ -	0	\$ -
Catch Basins	Each	\$ 7.15	315	\$ 2,252.25	404	\$ 2,888.60
NJLT	Each	\$ 2,969.35	1	\$ 2,969.35	2	\$ 3,364.32
Adult Mosquito Disease Testing	Each	\$ 235.00	4	\$ 940.00	4	\$ 940.00
ULV Adulticide	Mile	\$ 43.60	360	\$ 15,696.00	326.54	\$ 14,237.14
CONTRACT BUDGET						\$ 30,600.00

2016 MOSQUITO CONTROL PROGRAM

3 Payments of \$10,200 each

FULLY EARNED CONTRACT

\$ 30,600.00